

09/870.009

YOR.418

IN THE CLAIMS:

Please cancel claims 1-4, 6-7 and 13-14 without prejudice or disclaimer.

Please amend the claims to read as follows:

5. (Amended) DNA to which information is added comprising:
 - a gene portion including genetic information;
 - a portion, other than said gene portion, including no genetic information; and
 - a nucleotide sequence which is added to said portion including no genetic information, and comprises source identification information for identifying a source of said genetic information in said gene portion.
8. (Amended) DNA comprising:
 - at least one special sequence that is intentionally designed and is included as a part of a nucleotide sequence.
 - wherein said at least one special sequence comprises source identification information for identifying the source of genetic information included in said DNA, and
 - wherein said at least one special sequence is embedded in said DNA so as not to affect the transmission of said genetic information included in said DNA.
9. (Amended) The DNA according to claim 8, wherein said at least one special sequence comprises a plurality of sequences embedded at predetermined locations of said DNA.
10. (Amended) The DNA according to claim 8, wherein said at least one special sequence comprises a plurality of sequences having a plurality of types of patterns embedded at predetermined locations of said DNA.
11. (Amended) A nucleotide sequence in DNA, comprising:
 - source identification information for identifying a source of genetic information in said DNA.
 - wherein said information is embedded in said DNA so as not to affect transmission of said genetic information in said DNA.

09/870,009

YOR.418

12. (Amended) A cell in an organism, said cell having DNA comprising:
- a gene portion including genetic information;
 - a portion, other than said gene portion, including no genetic information; and
 - a nucleotide sequence which is added to said portion including no genetic information, and comprises source identification information for identifying a source of said genetic information in said gene portion.

Please add the following new claims:

- 15. DNA comprising:
- a first portion comprising genetic information;
 - a second portion which is devoid of genetic information; and
 - at least one nucleotide sequence added to said second portion, for identifying a source of said genetic information in said first portion.
16. The DNA according to claim 15, wherein said at least one nucleotide sequence comprises source identification information.
17. The DNA according to claim 15, wherein said genetic information comprises a value-added gene that is provided by one of selective breeding, cultivation, and gene manipulation.
18. The DNA according to claim 15, wherein said at least one nucleotide sequence is embedded into said second portion so as not to affect transmission of said genetic information in said first portion.
19. The DNA according to claim 15, wherein said at least one nucleotide sequence comprises a plurality of nucleotide sequences.
20. The DNA according to claim 19, wherein said plurality of nucleotide sequences comprises different nucleotide sequences.

09/870.009

YOR.418

21. The DNA according to claim 15, wherein said at least one nucleotide sequence is copy tolerant.
22. The DNA according to claim 15, wherein said at least one nucleotide sequence is added at a random location in said second portion.
23. The DNA according to claim 15, wherein said at least one nucleotide sequence is not naturally-occurring in said DNA and is not naturally generated through gene mutation.
24. The DNA according to claim 15, wherein said at least one nucleotide sequence comprises one of a restrictive enzyme identification sequence and a promotor.
25. The DNA according to claim 15, wherein said at least one nucleotide sequence is detectable using a nucleotide sequence that is complementary to said at least one nucleotide sequence.
26. The DNA according to claim 15, wherein said at least one nucleotide sequence is added at a predetermined location in said second portion.
27. The DNA according to claim 15, wherein said nucleotide sequence is not operably-linked to said genetic information in said first portion. - -